

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

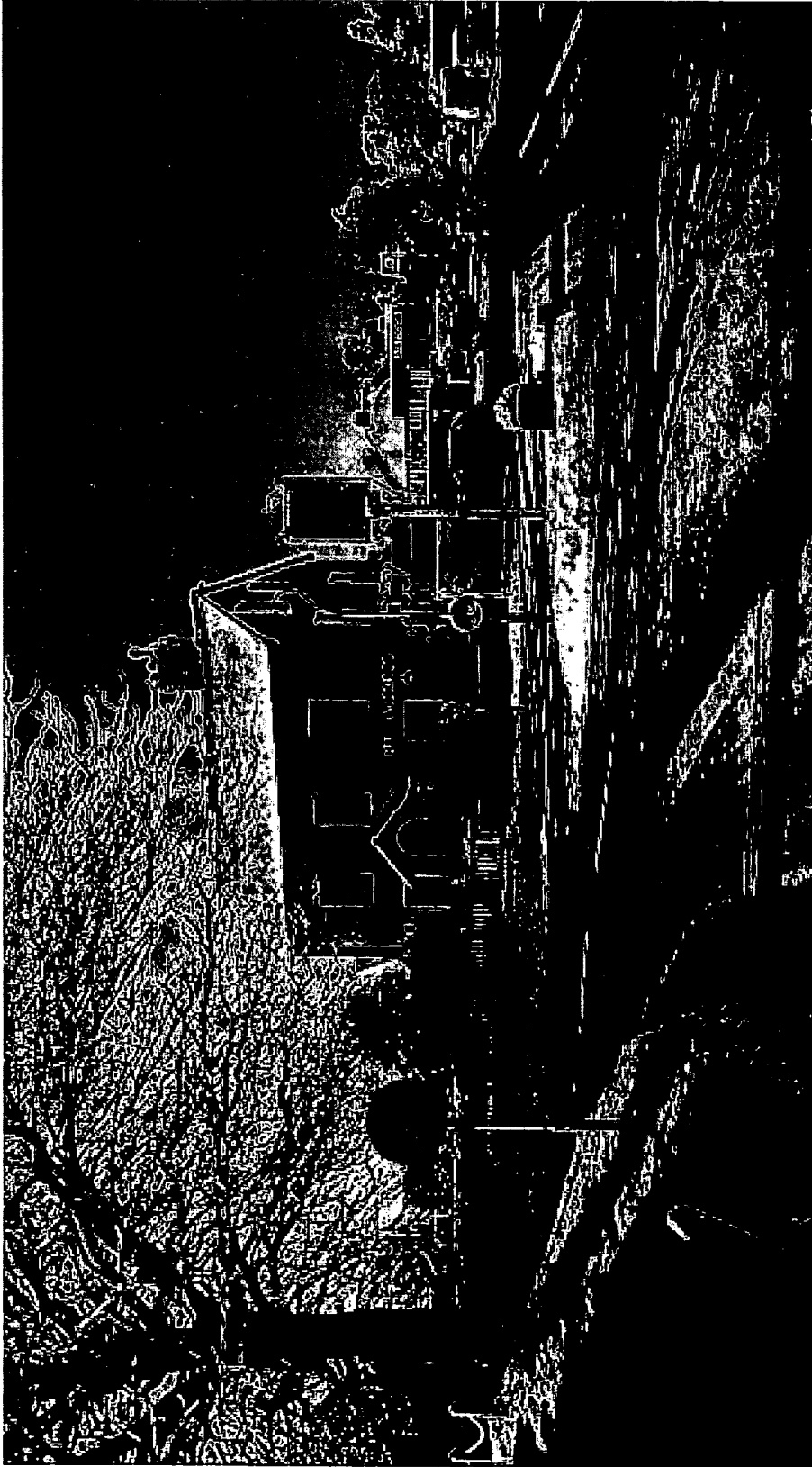
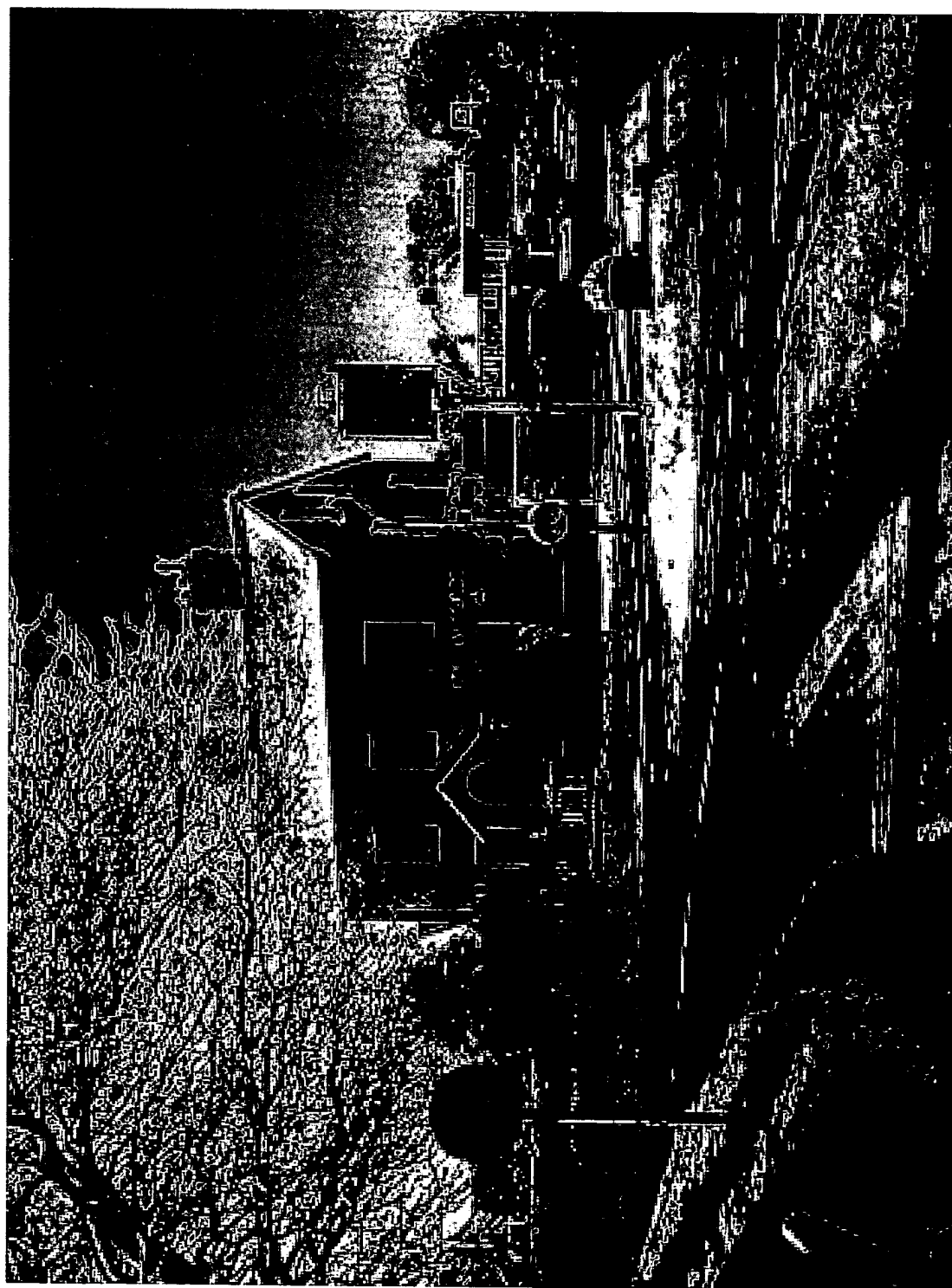


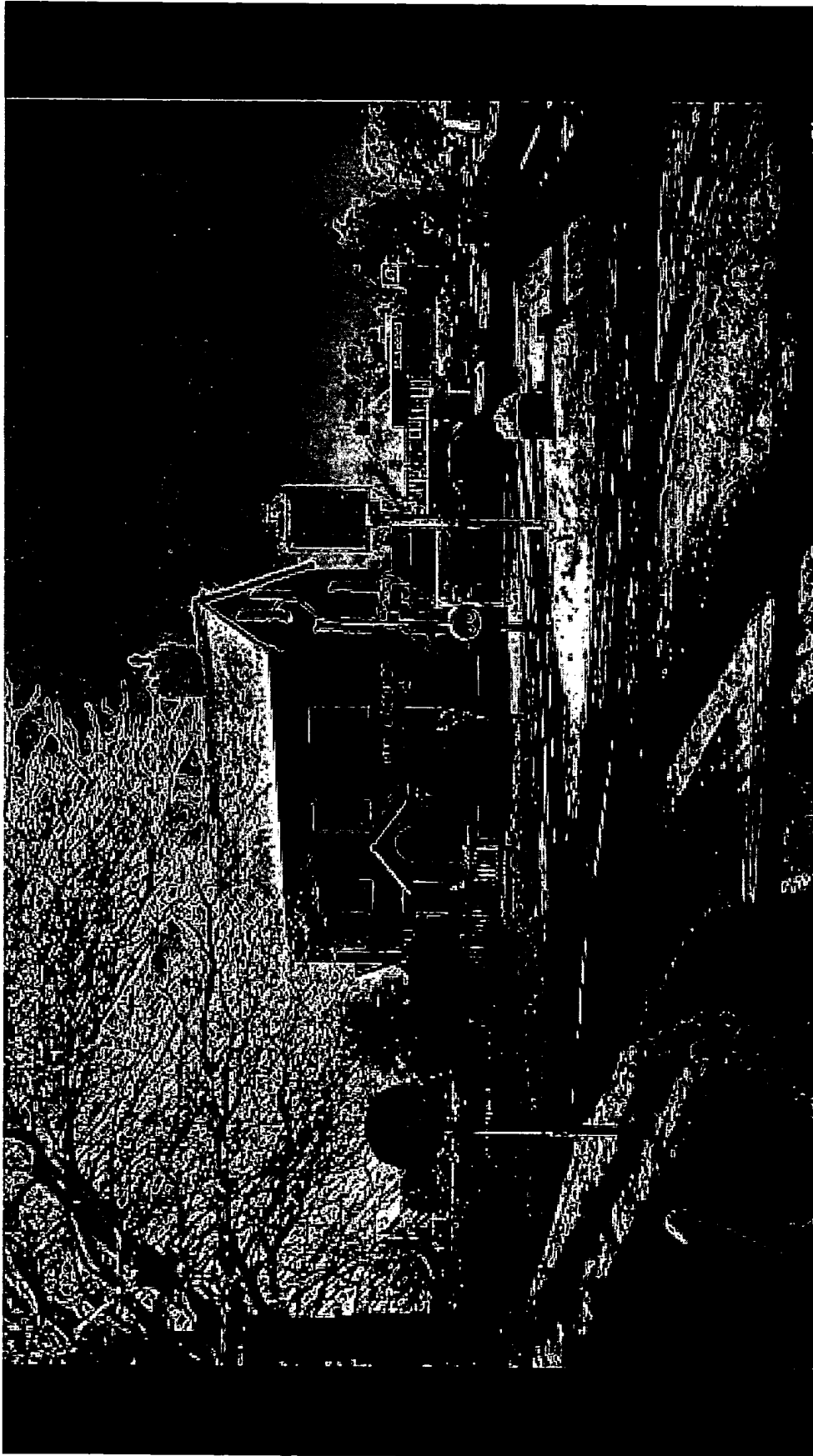
FIG 1 – Widescreen (16:9) Aspect Ratio

BEST AVAILABLE COPY



BEST AVAILABLE COPY

FIG 2 – Standard Screen (4:3) Aspect Ratio

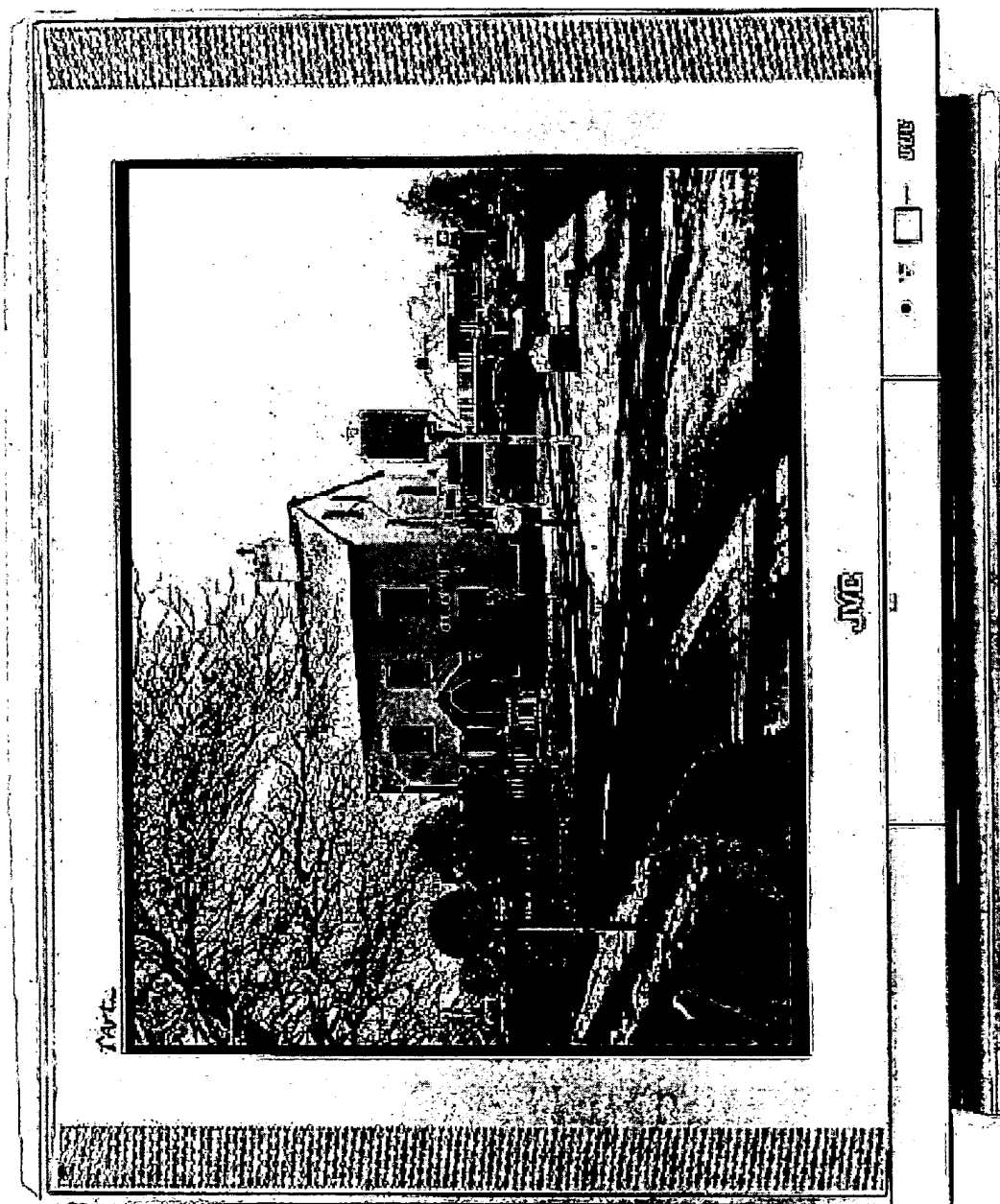


BEST AVAILABLE COPY

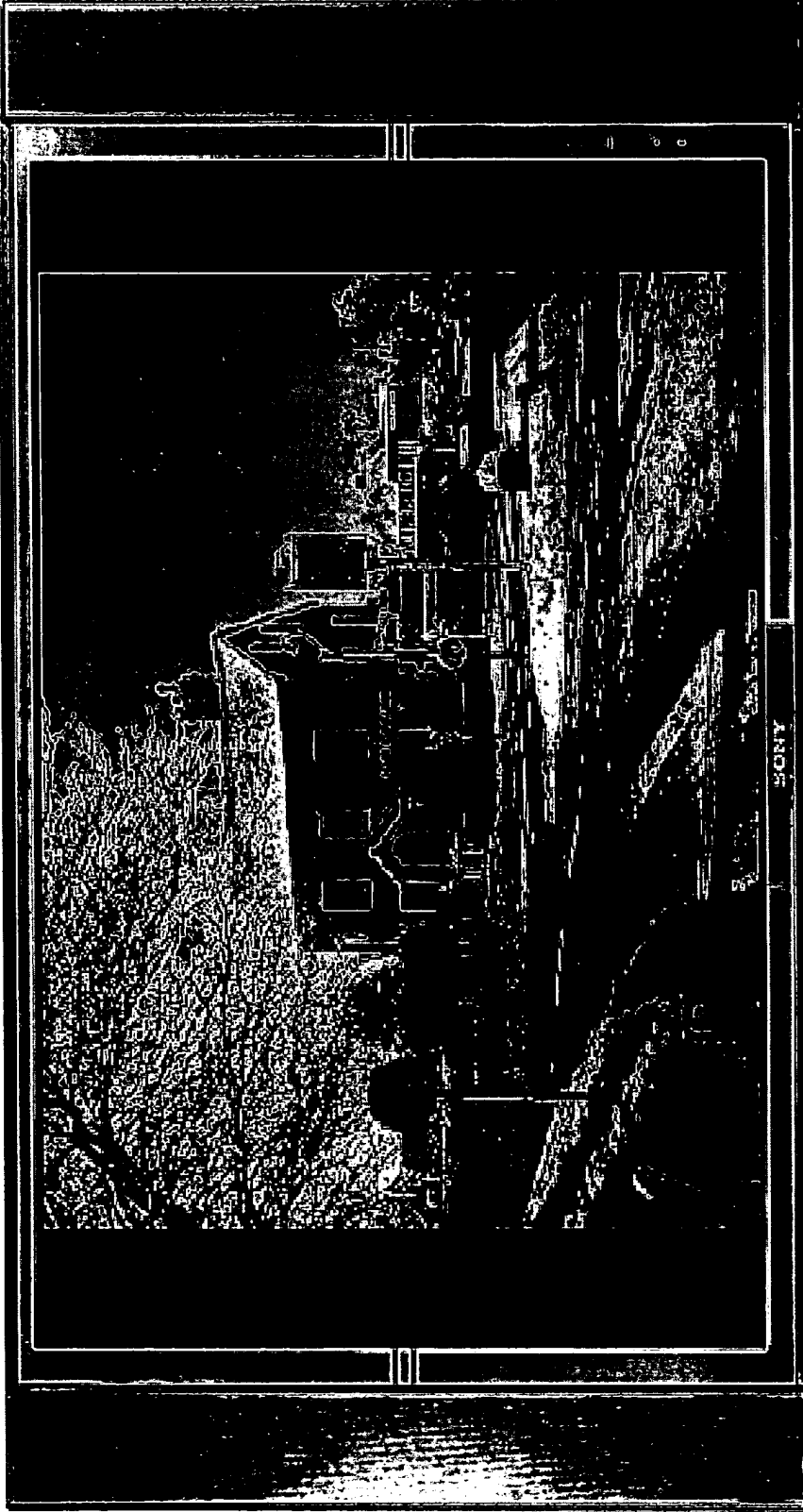
FIG 3 – Hybrid Aspect Ratio (14:9) Broadcast



**FIG 4 – Letterbox Display of a Widescreen
Image on a Standard Screen HDTV**



**FIG 5 – Full Screen Display of a Widescreen
Image on a Standard Screen HDTV**

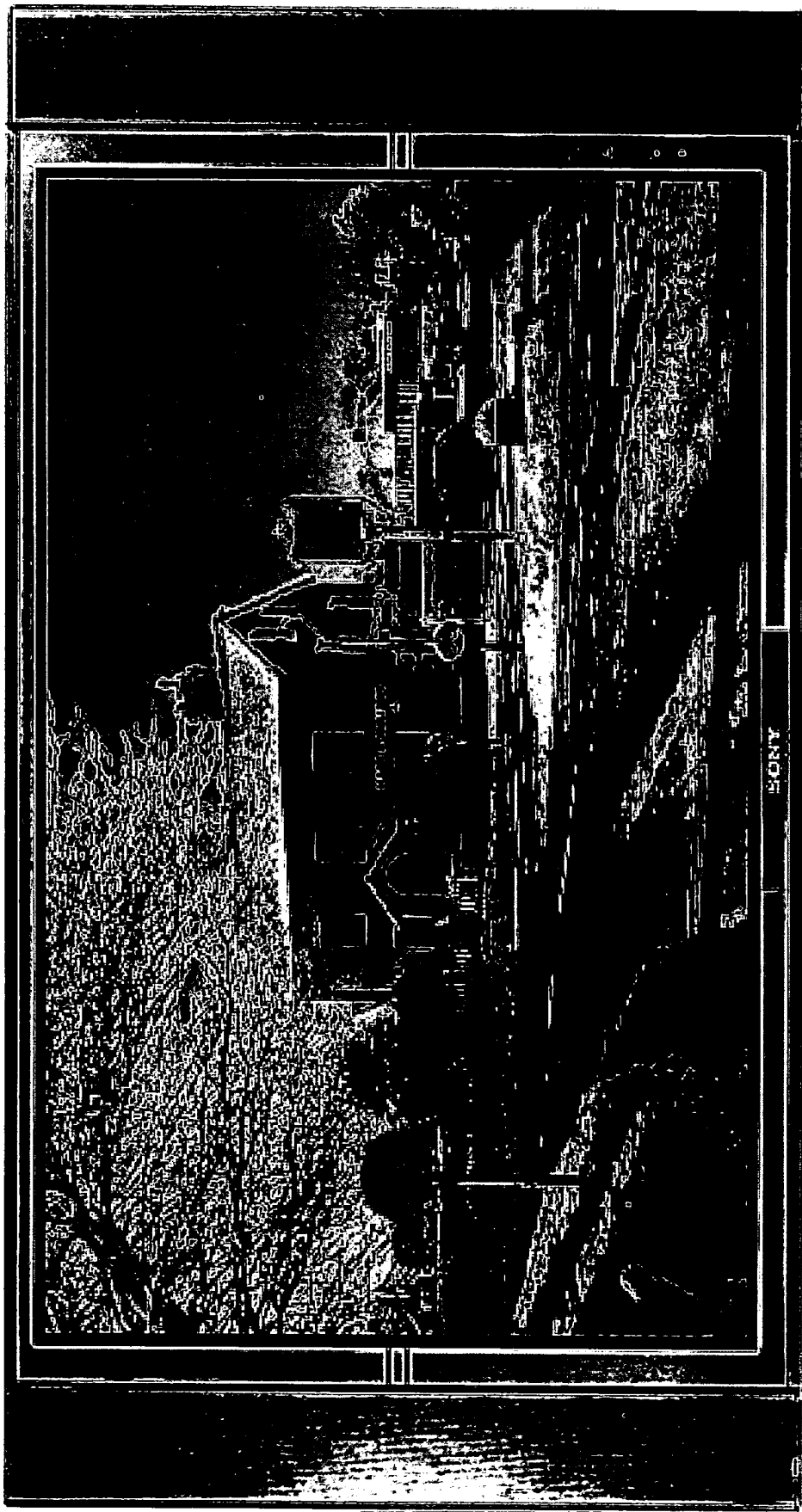


BEST AVAILABLE COPY

**FIG 6 – Pillarbox Display of a Standard
Screen Image on a Widescreen HDTV**



**FIG 7 – An Example of Screen Fade on a
Widescreen HDTV**



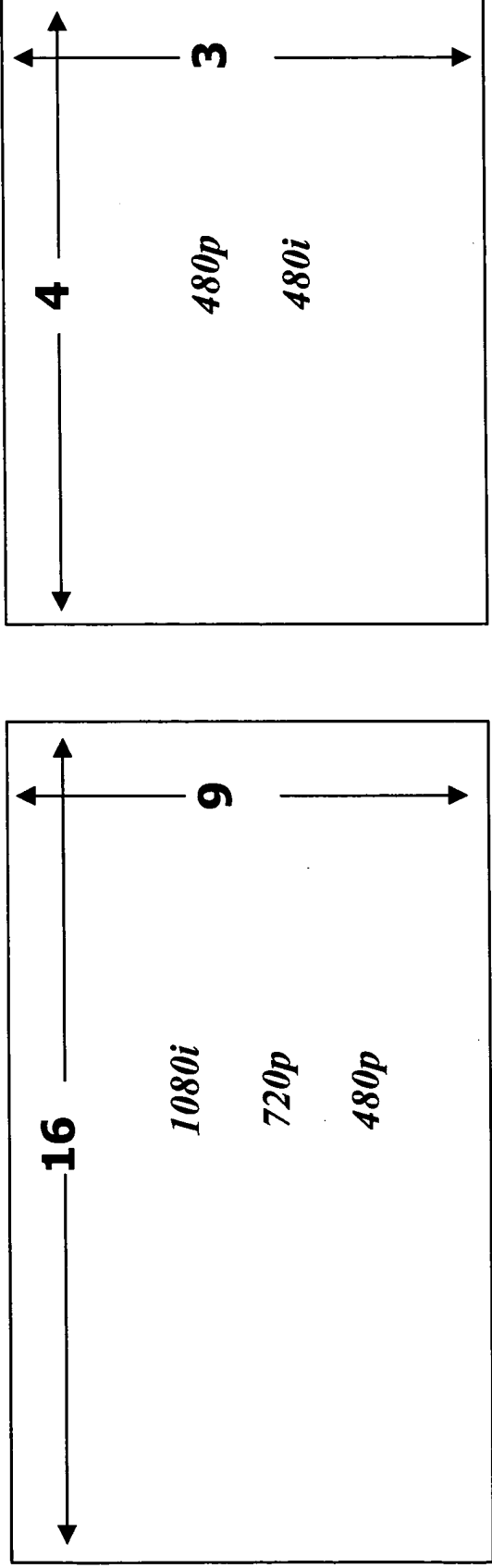
BEST AVAILABLE COPY

**FIG 8 – Linear Stretch Display of a Standard
Screen Image on a Widescreen HDTV**

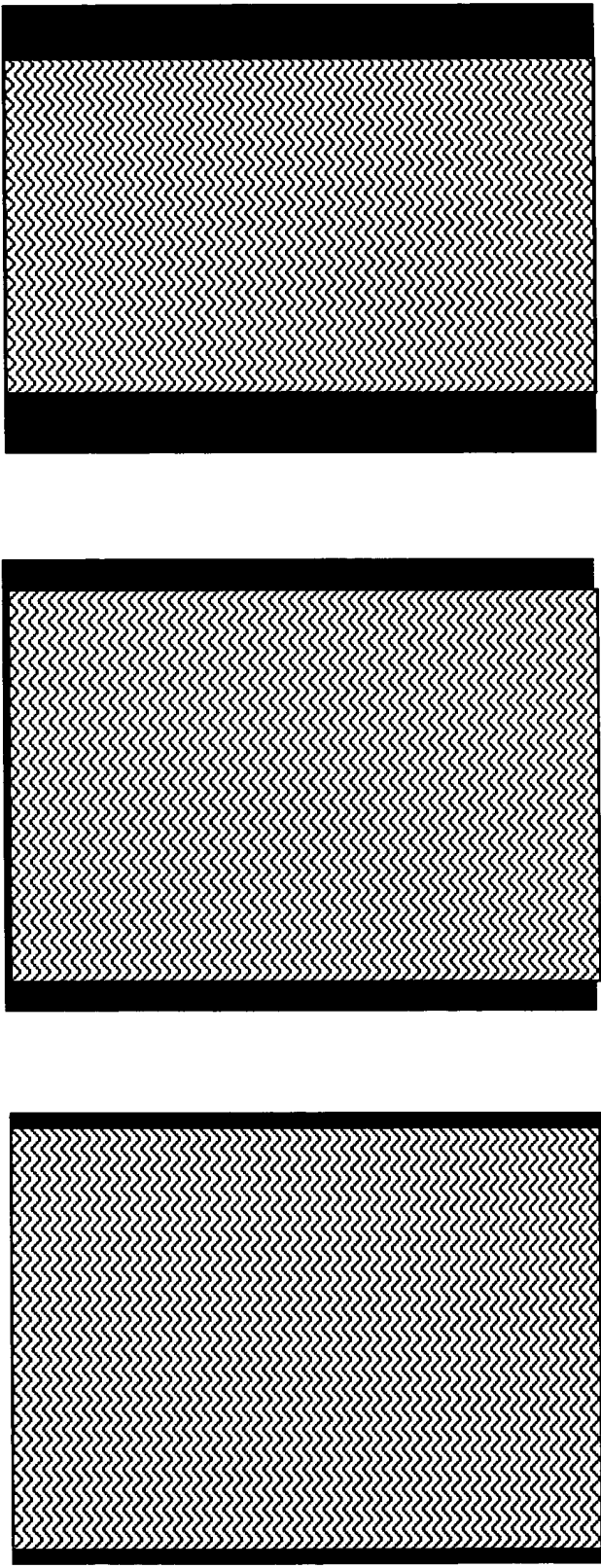


**FIG 9 – Zoom Display of a Standard Screen
Image on a Widescreen HDTV**

BEST AVAILABLE COPY



**FIG 10 - DTV Output Formats and
Corresponding Aspect Ratios**



**FIG 11 – The Common 15:9, 14:9 and 4 3
Hybrid Aspect Ratio Broadcasts**

FIG 12

Representative Images Used to Illustrate the ASTB 16:9 Zoom Modes

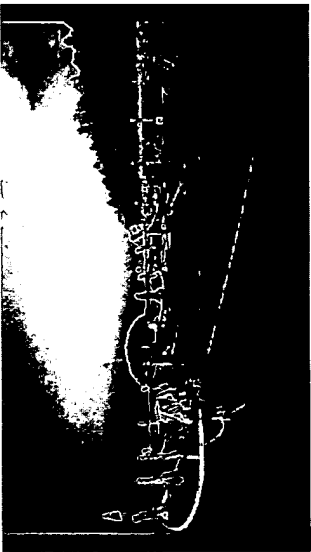


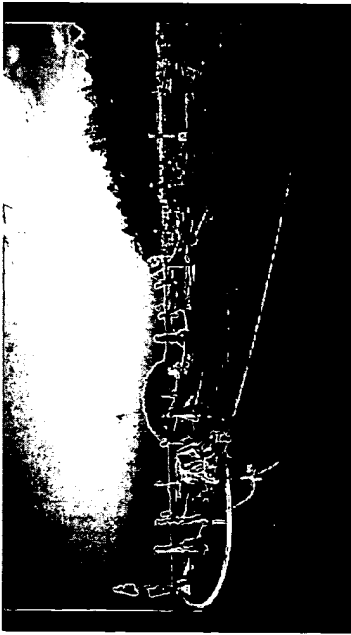

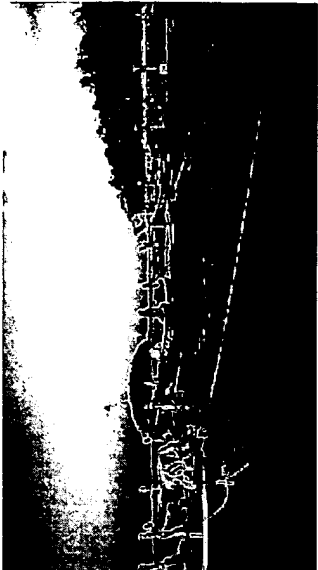

		
15:9 Hybrid Aspect Format	14:9 Hybrid Aspect Format	4:3 Hybrid Aspect Format

FIG 13

TV Type	Tuned Program	ASTB Zoom Mode	Television Display
16:9		16:9 Mode #2	
		16:9 Mode #3	
		16:9 Mode #4	

BEST AVAILABLE COPY

FIG 14

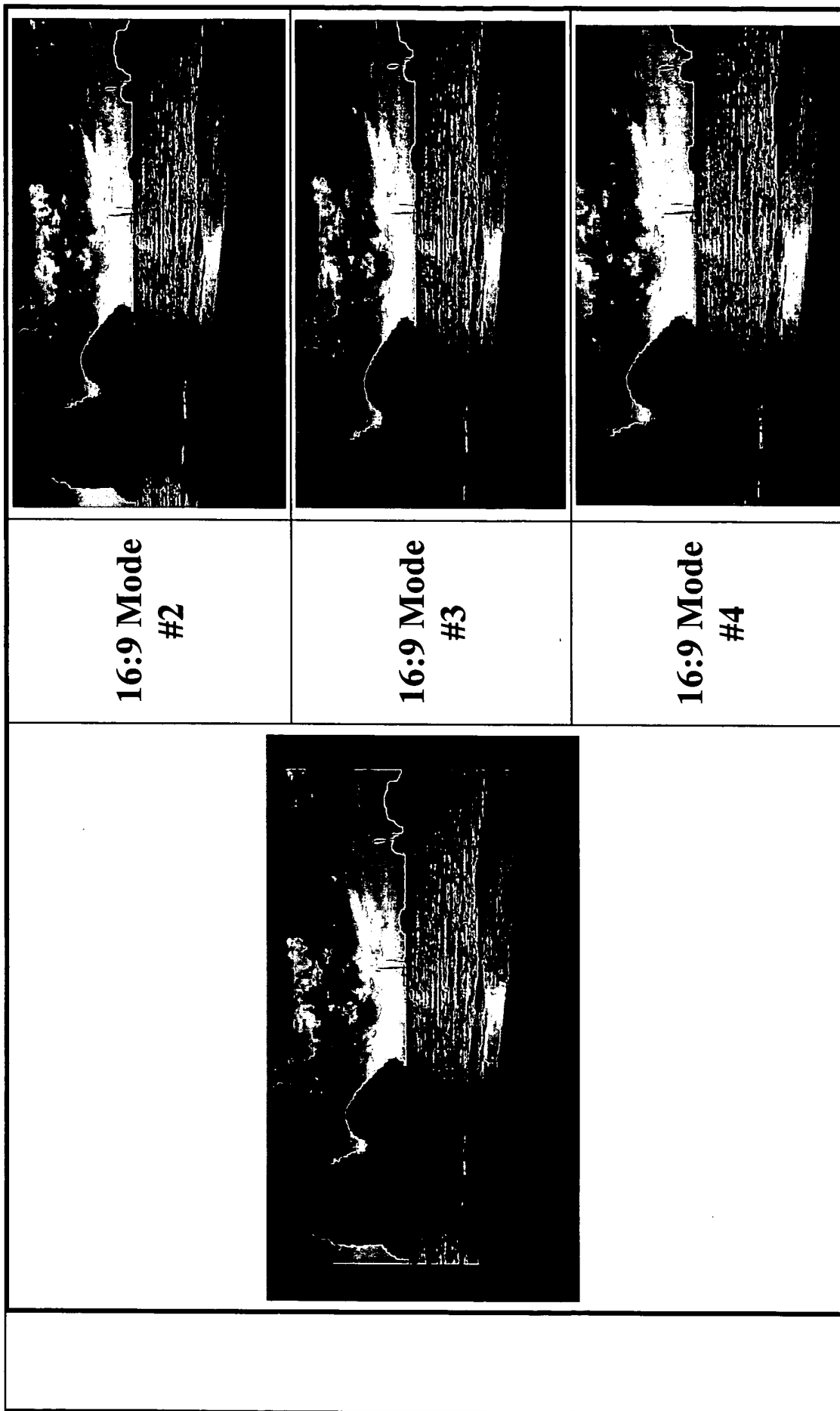


FIG 15

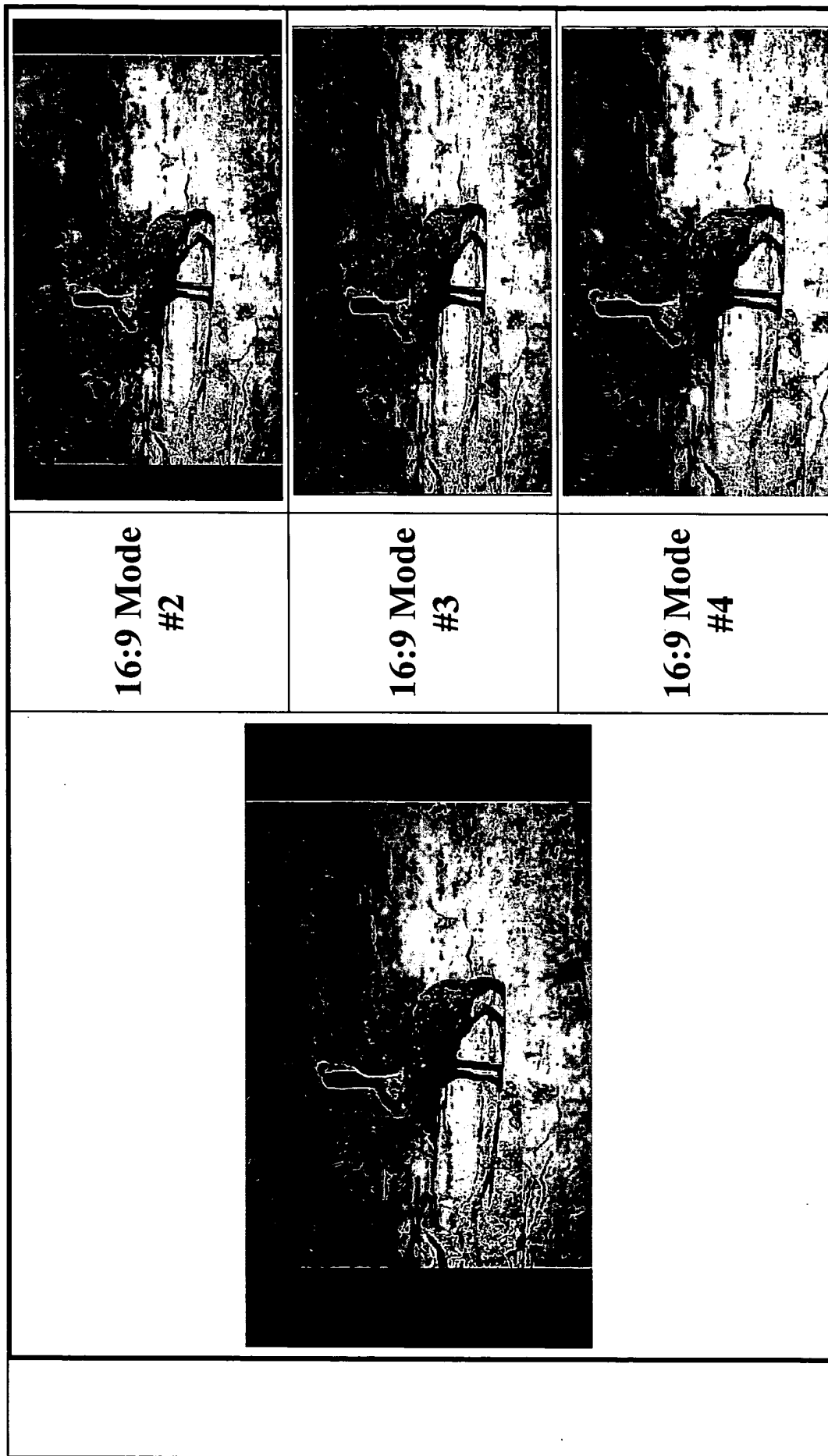


FIG 16

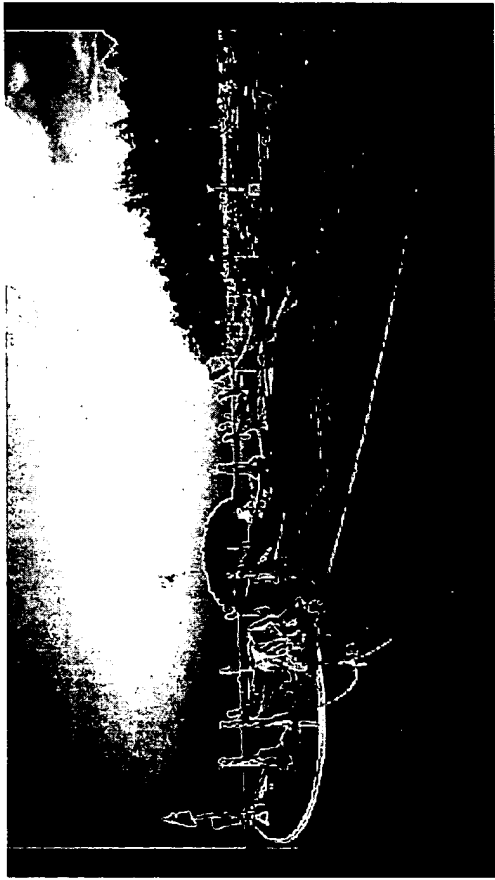
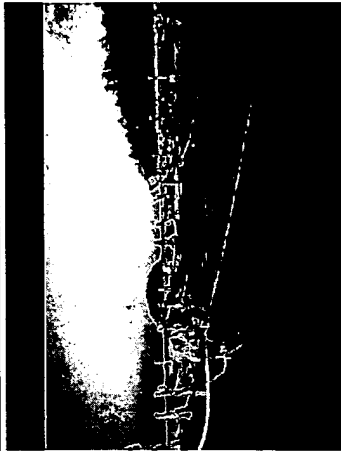


TV Type	Tuned Program	ASTB Zoom Mode	Television Display
4:3 LB or 4:3 PS		4:3 Mode #2	
		4:3 Mode #3	
		4:3 Mode #4	

FIG 17


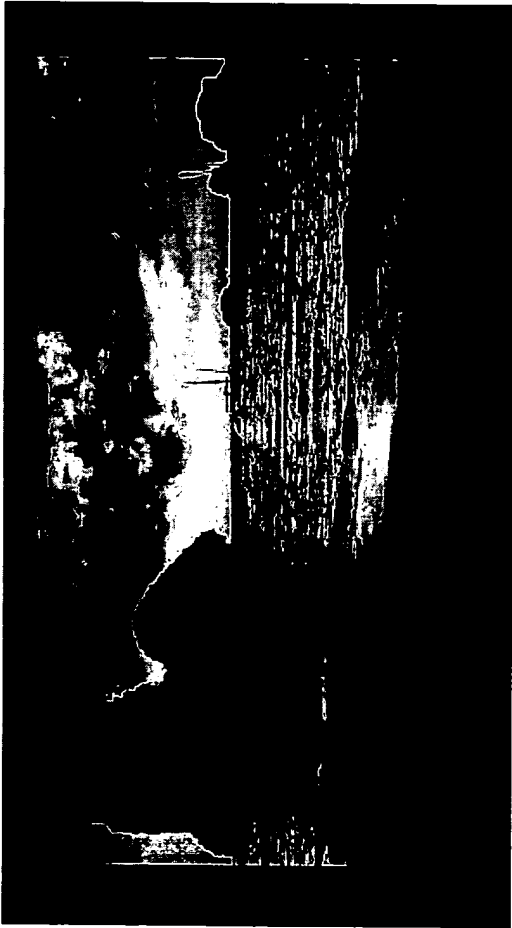






	<p>4:3 Mode #2</p>	
	<p>4:3 Mode #3</p>	
	<p>4:3 Mode #4</p>	

FIG 18

	<p>4:3 Mode #2</p>	
	<p>4:3 Mode #3</p>	
	<p>4:3 Mode #4</p>	

BEST AVAILABLE COPY

FIG 19

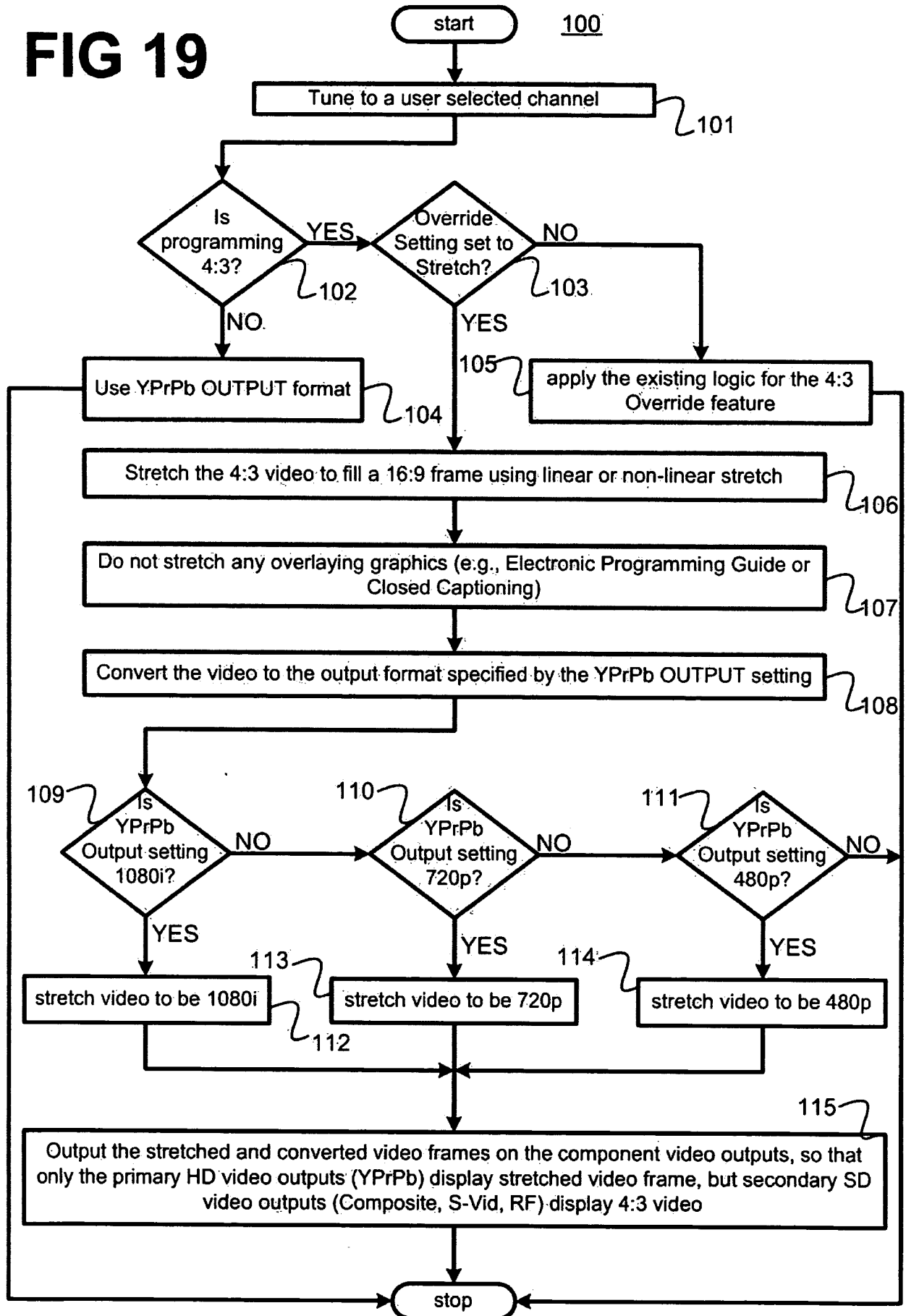


FIG 20

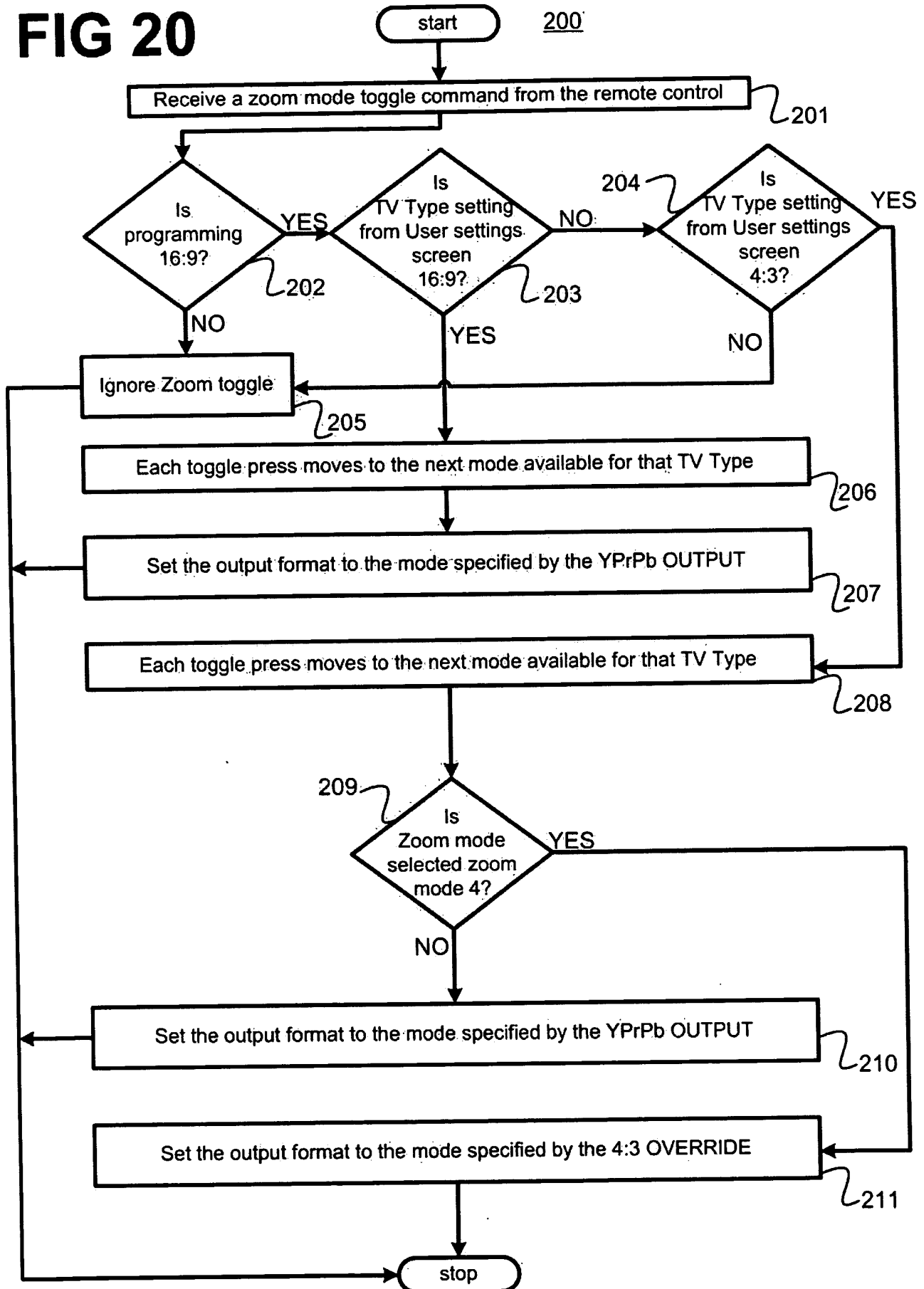


FIG 21

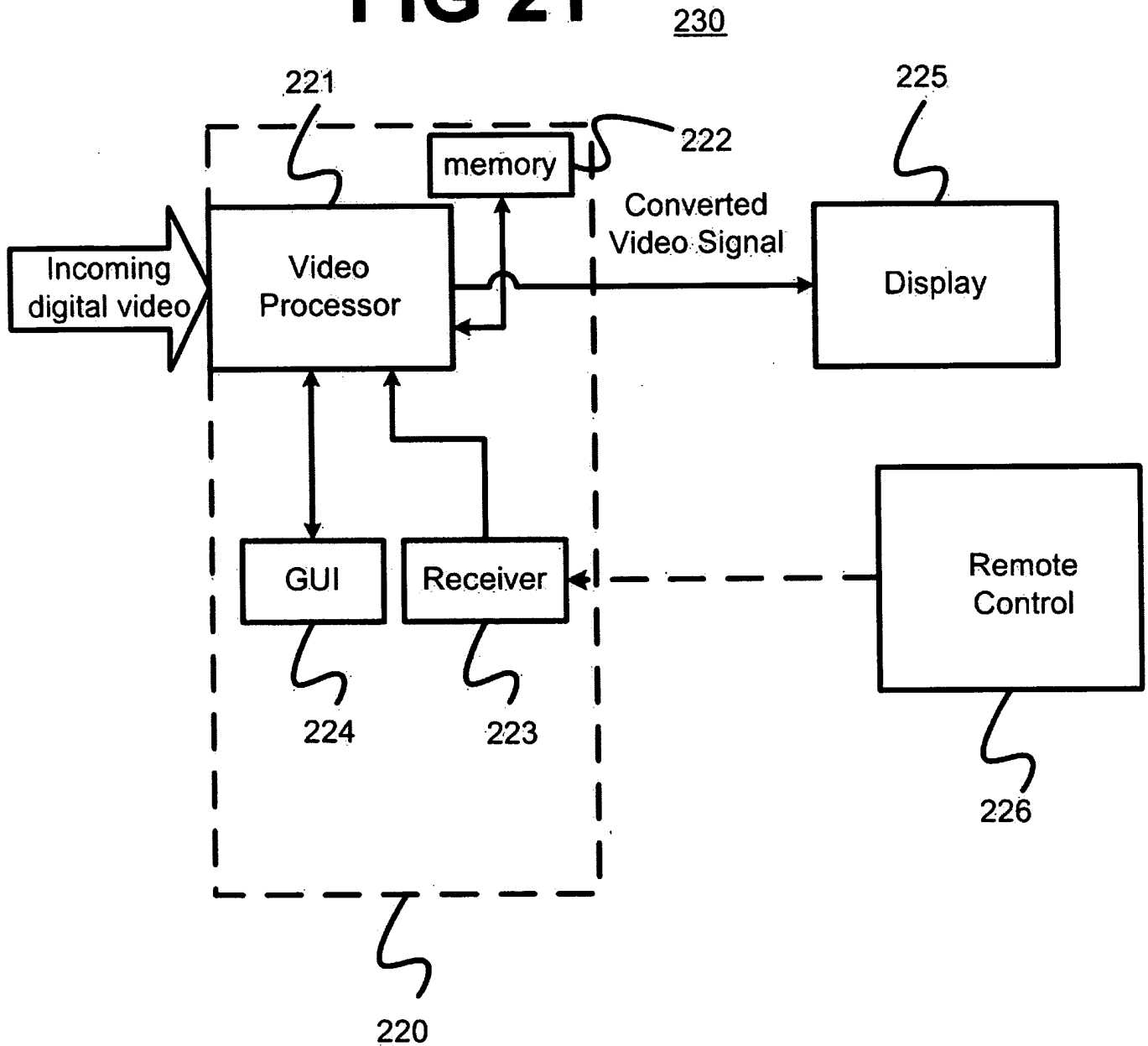


FIG 22

